

3001004 Series 1-Passages Rotary Unions

1 passage(M5 port,4mm pipes)+Electrical(Power/Signal)

support M5 port for 4mm pipes,can transfer various mediums including compressed air,steam,
vacuum,negative pressure,positive pressure,cooling water,hot oil,etc when 360° rotating , it also can combine to
transmit electrical power and signal.

Part No. Description

1 Passage Rotary Unions
M5 port ,4mm pipes

For example:

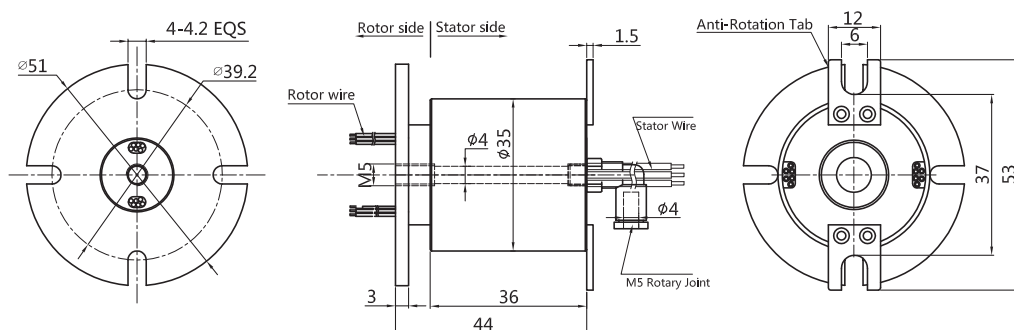
0610:6 circuits@10A 1230:12 circuits@30A

3001004 - Power Circuits - Signal Circuits

For example:

06S:6 circuits signal@2A

12S:12 circuits signal@2A



Standard Model List

Model	Passages	Circuits		Length L(mm)
		Power(10A)	Signal(0~5A)	
3001004-06S	1	0	6	36
3001004-08S	1	0	8	36
3001004-0610	1	6	0	36
3001004-12S	1	0	12	36

Technical Specification

Rotary Union Specification				
Passages	1 Passage(Gas/Flow)	Max. Pressure	10Mpa, Vacuum -1.5kPa	
Pipe size	4mm Pipe(M5)	torque	<0.2N.m	
Mechanicall parameters		Electrical parameters		
Spec.	Data	Spec.	Data	
Working Life	10millions for ref (depends on working conditions)		Power	Signal
		Voltage Range	0~440VAC/VDC	0~440VAC/VDC
Max. Speed	250RPM continously, 1000RPM intermittently	Insulation Resistance	<500MΩ/300VDC	<500MΩ/300VDC
Working Temp.	-30℃~80℃	Lead Wire Spec.	AWG17# Silver-plated teflon wire	AWG22# Silver-plated teflon wire
Work Humidity	0~85% RH	Lead Wire Length	standard 200mm(can be customized)	
Contact Material	precious metal	Insulation Resistance	500VAC@50Hz,6s	
Housing Material	aluminum alloy	Electrical Noise	<0.01 Ω	
IP Grade	IP51			

Color Code of Lead Wire

ring #	1	2	3	4	5	6	7	8	9	10	11	12
color	BLK	BRN	RED	ORG	YEL	GRN	BLU	PUR	GRY	WHT	PINK	LGT BLU